

INDUCTION HARDENING METHOD, AND STEEL PARTS

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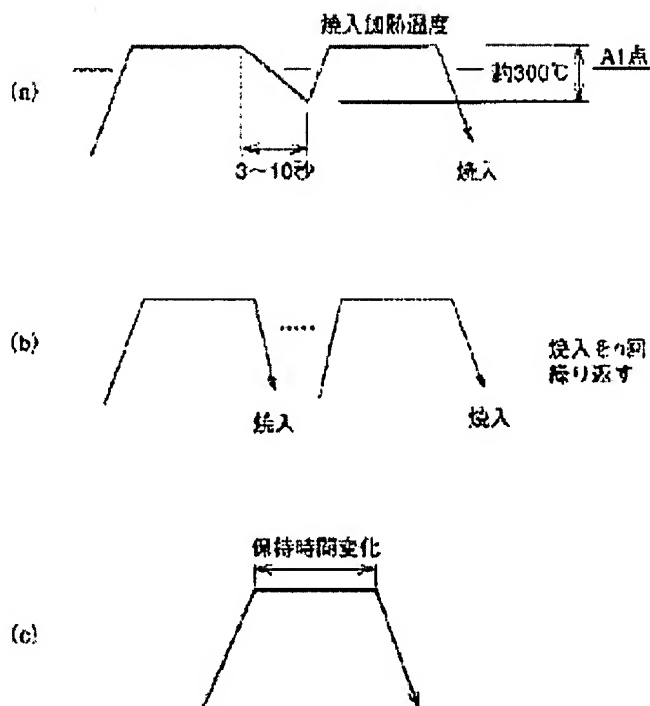
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Abstract of JP2002256336

PROBLEM TO BE SOLVED: To provide an induction hardening method by which microstructure can be refined and high surface-layer hardness can be obtained and high durability can be obtained with respect to rolling fatigue, etc., and also to provide steel parts. **SOLUTION:** The induction hardening process has: a step of hardening by induction heating; and a step where, prior to the above hardening step, induction heating up to a temperature higher than the Ar₃ point and cooling down to a temperature not higher than transformation point are repeated at least once.



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